# PATENTING BY ORGANIZATIONS 2005



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### Patenting By Organizations 2005

This report, prepared from the Technology Assessment and Forecast (TAF) database, profiles utility patents (i.e., patents for inventions) granted during **calendar year 2005**.

#### Part A1

**Part A1** presents patent counts by origin, U.S. and foreign. Individual counts are also presented for each of the top 36 patenting countries. Patent origin is determined by the residence of the first-named inventor listed on a patent.

Patent ownership-category information reflects ownership at the time of patent grant and does not reflect subsequent changes in ownership. If more than one assignee (the entity, if any, to which the patent rights have been legally assigned) was declared at the time of grant, a patent is attributed to the ownership-category of the first-named assignee. The "U.S. Corporations" and "Foreign Corporations" ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in these categories. While the "U.S. Government" ownership category includes only patents granted to the Federal Government, no such distinction is made for the "Foreign Government" ownership category. The "U.S. Individuals" and "Foreign Individuals" ownership categories include patents for which ownership was assigned to an individual as well as patents for which no assignment of ownership was made at the time of grant.

#### Part B1

Part B1 presents organizations that received 40 or more patents during the calendar year. Organizations are ranked based on their patent count. Please note that because of the large number of organizations appearing in this report, the minimum number of annual patents received by a listed organization was raised from 30, for the 1997 report, to 40 for the 1998 and subsequent reports.

Patent information included in **Part B1** of the report reflects patent ownership at the time of patent grant and does not reflect changes in ownership which may occur after the patent grant. Where more than one assignee exists, patents are attributed to the first-named assignee.

No attempt has been made to combine data based on subsidiary relationships. However, where possible, spelling variations and variations based on name changes (e.g., ESSO to EXXON) have been merged into a single name. While every effort is made to accurately identify all organizational entities and report data by a single organizational name, achievement of a totally clean record is not expected, particularly in view of the many variations which may occur in corporate identifications.

### Patenting By The U.S. Government 2005

In calendar year 2005, the U.S. Government received 697 utility patents.

Under the section labeled "Ownership", **Part A1** presents the total count of patents received by the U.S. Government during the calendar year. Each of the separate U.S. Government agencies receiving 40 or more patents during the calendar year is listed in **Part B1**.

## Part A1 (Patent Grants as Distributed By Year of Patent Grant)

Number of Utility Patents Granted By Year Of Patent Grant (Granted: Jan 01, 2005 - Dec 31, 2005)

COUNTRY OF ORIGIN	2005	<u>Total</u>
Total	143794	143794
U.S. Origin	74630	74630
Foreign Origin	69164	69164
JAPAN	30339	30339
GERMANY	9011	9011
TAIWAN	5118	5118
SOUTH KOREA	4352	4352
UNITED KINGDOM	3148	3148
CANADA	2894	2894
FRANCE	2865	2865
ITALY	1296	1296
SWEDEN	1123	1123
SWITZERLAND	995	995
NETHERLANDS	993	993
ISRAEL	922	922
AUSTRALIA	911	911
FINLAND	720	720
BELGIUM	519	519
AUSTRIA	462	462
CHINA P.REP.	402	402
INDIA	384	384
DENMARK	358	358
SINGAPORE	346	346
CHINA, HONG KONG S.A.R	283	283
SPAIN	273	273
NORWAY	220	220
IRELAND	156	156
RUSSIAN FEDERATION	148	148
NEW ZEALAND	122	122
MALAYSIA	88	88
SOUTH AFRICA	87	87
MEXICO	80	80
BRAZIL	77	77
HUNGARY	46	46
LUXEMBOURG	41	41
CZECH REPUBLIC	25	25
ARGENTINA	24	24
POLAND	23	23
ICELAND	20	20
Others ( 57 )	293	293
Ownership:		
U.S. Corporations	65199	65199
U.S. Government	696	696
U.S. Individuals	10358	10358
Foreign Corporations	63112	63112
Foreign Government	58	58
Foreign Individuals	4371	4371

Percent of Utility Patents Granted By Year Of Patent Grant (Granted: Jan 01, 2005 - Dec 31, 2005)

COUNTRY OF ORIGIN	2004	<u>Total</u>
Total	100	100
U.S. Origin	52	52
Foreign Origin	48	48
JAPAN	21	21
GERMANY	6	6
TAIWAN	4	4
SOUTH KOREA	3	3
UNITED KINGDOM	2	2
CANADA	2	2
FRANCE	2	2
ITALY	1	1
SWEDEN	1	1
SWITZERLAND	1	1
NETHERLANDS	1	1
ISRAEL	1	1
AUSTRALIA	1	1
FINLAND	1	1
BELGIUM		0
AUSTRIA		0
CHINA P.REP.		0
INDIA		0
DENMARK		0
SINGAPORE		0
CHINA, HONG KONG S.A.R		0
SPAIN		0
NORWAY		0
IRELAND		0
RUSSIAN FEDERATION		0
NEW ZEALAND		0
MALAYSIA		0
SOUTH AFRICA		0
MEXICO		0
BRAZIL		0
HUNGARY		0
LUXEMBOURG		0
CZECH REPUBLIC		0
ARGENTINA		0
POLAND		0
ICELAND		0
Others ( 57 )		0
Ownership:		
U.S. Corporations	45	45
U.S. Government		0
U.S. Individuals	7	7
Foreign Corporations	44	44
Foreign Government		0
	3	

#### Part B1

### (Ranked Listing of Organizations with Patent Grants Distributed By Year of Patent Grant)

ORGANIZATION	2005	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORA Patents By Year of Grant:		2941
CANON KABUSHIKI KAISHA Patents By Year of Grant:	1829	1829
HEWLETT-PACKARD DEVELOPMENT COMPANY, L. Patents By Year of Grant:	.P. 1790	1790
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTI Patents By Year of Grant:	). 1687	1687
SAMSUNG ELECTRONICS CO., LTD. Patents By Year of Grant:	1641	1641
MICRON TECHNOLOGY, INC. Patents By Year of Grant:	1561	1561
INTEL CORPORATION Patents By Year of Grant:	1549	1549
HITACHI, LTD Patents By Year of Grant:	1271	1271
TOSHIBA CORPORATION Patents By Year of Grant:	1258	1258
FUJITSU LIMITED Patents By Year of Grant:	1153	1153
SONY CORPORATION Patents By Year of Grant:	1135	1135
GENERAL ELECTRIC COMPANY Patents By Year of Grant:	904	904
SEIKO EPSON CORPORATION Patents By Year of Grant:	884	884
INFINEON TECHNOLOGIES AG Patents By Year of Grant:	787	787
KONINKLIJKE PHILIPS ELECTRONICS N.V. Patents By Year of Grant:	763	763
ROBERT BOSCH GMBH Patents By Year of Grant:	756	756
FUJI PHOTO FILM CO., LTD Patents By Year of Grant:	750	750
MICROSOFT CORPORATION Patents By Year of Grant:	746	746
TEXAS INSTRUMENTS, INCORPORATED Patents By Year of Grant:	734	734
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HON Patents By Year of Grant:	NDA MOTOI 698	
SIEMENS AKTIENGESELLSCHAFT Patents By Year of Grant:	689	689
NEC CORPORATION Patents By Year of Grant:	661	661

ORGANIZATION	2005	TOTAL
SUN MICROSYSTEMS, INC. Patents By Year of Grant:	653	653
MITSUBISHI DENKI KABUSHIKI KAISHA Patents By Year of Grant:	612	612
DENSO CORPORATION Patents By Year of Grant:	609	609
RENESAS TECHNOLOGY CORPORATION Patents By Year of Grant:	606	606
EASTMAN KODAK COMPANY Patents By Year of Grant:	578	578
AGILENT TECHNOLOGIES, INC. Patents By Year of Grant:	559	559
ADVANCED MICRO DEVICES, INC. Patents By Year of Grant:	526	526
SHARP KABUSHIKI KAISHA (SHARP CORPORATI Patents By Year of Grant:	ON) 473	473
RICOH COMPANY, LTD. Patents By Year of Grant:	469	469
LG ELECTRONICS INC. Patents By Year of Grant:	463	463
HONEYWELL INTERNATIONAL INC. Patents By Year of Grant:	460	460
MOTOROLA, INC. Patents By Year of Grant:	456	456
TAIWAN SEMICONDUCTOR MANUFACTURING CO., Patents By Year of Grant:	LTD. 441	441
CISCO TECHNOLOGY, INC. Patents By Year of Grant:	440	440
XEROX CORPORATION Patents By Year of Grant:	426	426
3M INNOVATIVE PROPERTIES COMPANY Patents By Year of Grant:	416	416
BROADCOM CORPORATION Patents By Year of Grant:	414	414
DELPHI TECHNOLOGIES, INC. Patents By Year of Grant:	405	405
LUCENT TECHNOLOGIES INC. Patents By Year of Grant:	405	405
BOEING COMPANY Patents By Year of Grant:	403	403
GENERAL MOTORS CORPORATION Patents By Year of Grant:	392	392
UNIVERSITY OF CALIFORNIA, THE REGENTS O Patents By Year of Grant:	F 387	387

ORGANIZATION	2005	TOTAL
NORTEL NETWORKS LIMITED Patents By Year of Grant:	376	376
HYNIX SEMICONDUCTOR INC. Patents By Year of Grant:	358	358
APPLIED MATERIALS, INC. Patents By Year of Grant:	352	352
SANYO ELECTRIC CO., LTD. Patents By Year of Grant:	352	352
LSI LOGIC CORPORATION Patents By Year of Grant:	339	339
NOKIA CORPORATION Patents By Year of Grant:	335	335
TELEFONAKTIEBOLAGET LM ERICSSON Patents By Year of Grant:	331	331
LG. PHILIPS LCD CO., LTD. Patents By Year of Grant:	320	320
OKI ELECTRIC INDUSTRY CO., LTD. Patents By Year of Grant:	313	313
PROCTER + GAMBLE COMPANY Patents By Year of Grant:	296	296
SEMICONDUCTOR ENERGY LABORATORY CO., Patents By Year of Grant:	LTD. 292	292
HON HAI PRECISION IND. CO., LTD. Patents By Year of Grant:	291	291
NISSAN MOTOR COMPANY, LIMITED Patents By Year of Grant:	290	290
SEAGATE TECHNOLOGY, LLC Patents By Year of Grant:	280	280
TOYOTA JIDOSHA K.K. Patents By Year of Grant:	271	271
UNITED STATES OF AMERICA, NAVY Patents By Year of Grant:	258	258
FREESCALE SEMICONDUCTOR, INC. Patents By Year of Grant:	256	256
KIMBERLY-CLARK WORLDWIDE, INC. Patents By Year of Grant:	256	256
FORD GLOBAL TECHNOLOGIES, L.L.C. Patents By Year of Grant:	254	254
E. I. DU PONT DE NEMOURS AND COMPANY Patents By Year of Grant:	251	251
ILLINOIS TOOL WORKS INC. Patents By Year of Grant:	248	248
SILVERBROOK RESEARCH PTY. LTD Patents By Year of Grant:	247	247

ORGANIZATION	2005	TOTAL
BASF AKTIENGESELLSCHAFT Patents By Year of Grant:	231	231
MURATA MANUFACTURING CO., LTD. Patents By Year of Grant:	228	228
NATIONAL SEMICONDUCTOR CORPORATION Patents By Year of Grant:	223	223
ALPS ELECTRIC CO., LTD. Patents By Year of Grant:	215	215
NEC ELECTRONICS CORPORATION Patents By Year of Grant:	214	214
PIONEER CORPORATION Patents By Year of Grant:	214	214
ALCATEL Patents By Year of Grant:	212	212
AT&T CORP. Patents By Year of Grant:	202	202
LOCKHEED MARTIN CORPORATION Patents By Year of Grant:	201	201
QUALCOMM, INC. Patents By Year of Grant:	200	200
FUJI XEROX CO., LTD. Patents By Year of Grant:	199	199
TOKYO ELECTRON LIMITED Patents By Year of Grant:	199	199
HALLIBURTON ENERGY SERVICES, INC. Patents By Year of Grant:	193	193
VISTEON GLOBAL TECHNOLOGIES, INC. Patents By Year of Grant:	193	193
BELLSOUTH INTELLECTUAL PROPERTY CORPORA Patents By Year of Grant:		190
HITACHI GLOBAL STORAGE TECHNOLOGIES NE	THERLANDS 188	B.V. 188
NIKON CORPORATION Patents By Year of Grant:	183	183
MEDTRONIC INC. Patents By Year of Grant:	181	181
SCHLUMBERGER TECHNOLOGY CORPORATION Patents By Year of Grant:	178	178
PENTAX CORPORATION Patents By Year of Grant:	177	177
XILINX, INC. Patents By Year of Grant:	177	177
BAYER AKTIENGESELLSCHAFT Patents By Year of Grant:	176	176

ORGANIZATION	2005	TOTAL
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT Patents By Year of Grant:	169	169
SUMITOMO ELECTRIC INDUSTRIES CO., LTD. Patents By Year of Grant:	169	169
AGERE SYSTEMS INC. Patents By Year of Grant:	168	168
PFIZER INC. Patents By Year of Grant:	163	163
INDUSTRIAL TECHNOLOGY RESEARCH INSTITU Patents By Year of Grant:		WAN 161
OLYMPUS CORPORATION Patents By Year of Grant:	161	161
STMICROELECTRONICS S.R.L. Patents By Year of Grant:	160	160
MINOLTA CAMERA CO., LTD. Patents By Year of Grant:	159	159
TDK CORPORATION Patents By Year of Grant:	159	159
YAZAKI CORP. Patents By Year of Grant:	156	156
CATERPILLAR INC. Patents By Year of Grant:	154	154
GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY C		
Patents By Year of Grant:	154	154
BROTHER KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	152	152
THOMSON LICENSING S.A.		
Patents By Year of Grant:	150	150
CYPRESS SEMICONDUCTOR CORP. Patents By Year of Grant:	149	149
RAYTHEON COMPANY Patents By Year of Grant:	145	145
NORTHROP GRUMMAN CORPORATION Patents By Year of Grant:	143	143
YAMAHA CORPORATION Patents By Year of Grant:	142	142
DEERE + COMPANY Patents By Year of Grant:	141	141
SCI-MED LIFE SYSTEMS, INC. Patents By Year of Grant:	138	138
MASSACHUSETTS INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	136	136
STMICROELECTRONICS S.A. Patents By Year of Grant:	135	135

ORGANIZATION	2005	TOTAL
BAKER HUGHES INCORPORATED Patents By Year of Grant:	131	131
DELL PRODUCTS, L.P. Patents By Year of Grant:	131	131
EMC CORPORATION Patents By Year of Grant:	130	130
ANALOG DEVICES, INC. Patents By Year of Grant:	129	129
VIA TECHNOLOGIES, INC. Patents By Year of Grant:	127	127
UNITED STATES OF AMERICA, ARMY Patents By Year of Grant:	126	126
EATON CORPORATION Patents By Year of Grant:	125	125
LAM RESEARCH CORPORATION Patents By Year of Grant:	125	125
SAMSUNG SDI CO., LTD. Patents By Year of Grant:	125	125
KONICA CORPORATION Patents By Year of Grant:	124	124
HARRIS CORP. Patents By Year of Grant:	122	122
HYUNDAI MOTOR CO., LTD. Patents By Year of Grant:	119	119
SHELL OIL COMPANY Patents By Year of Grant:	119	119
SHIN ETSU CHEMICAL CO., LTD. Patents By Year of Grant:	119	119
ALTERA CORPORATION Patents By Year of Grant:	118	118
LEAR CORPORATION Patents By Year of Grant:	118	118
COUNCIL OF SCIENTIFIC AND INDUSTRIAL REPARENTS By Year of Grant:	ESEARCH 117	117
PIONEER HI-BRED INTERNATIONAL, INC. Patents By Year of Grant:	116	116
TOYODA GOSEI KABUSHIKI KAISHA Patents By Year of Grant:	116	116
WESTERN DIGITAL TECHNOLOGIES, INC. Patents By Year of Grant:	116	116
GOODYEAR TIRE + RUBBER COMPANY Patents By Year of Grant:	114	114
BRISTOL-MYERS SQUIBB COMPANY Patents By Year of Grant:	113	113

ORGANIZATION	2005	TOTAL
CORNING INCORPORATED Patents By Year of Grant:	113	113
EXXONMOBIL CHEMICAL PATENTS INC. Patents By Year of Grant:	113	113
ROHM COMPANY LIMITED Patents By Year of Grant:	113	113
SUMITOMO CHEMICAL COMPANY, LIMITED Patents By Year of Grant:	113	113
SUMITOMO WIRING SYSTEMS, LTD., CO. Patents By Year of Grant:	113	113
ELECTRONICS AND TELECOMMUNICATIONS RES Patents By Year of Grant:		INSTITUTE 112
FINISAR CORPORATION, INC. Patents By Year of Grant:	112	112
CARDIAC PACEMAKERS, INC. Patents By Year of Grant:	110	110
MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., Patents By Year of Grant:	LTD) 110	110
MITSUBISHI HEAVY INDUSTRIES, LTD. Patents By Year of Grant:	110	110
AU OPTRONICS CORP. Patents By Year of Grant:	107	107
L'OREAL S.A. Patents By Year of Grant:	107	107
NGK INSULATORS LTD. Patents By Year of Grant:	105	105
SHARP LABORATORIES OF AMERICA, INC. Patents By Year of Grant:	105	105
INTERDIGITAL TECHNOLOGY CORPORATION Patents By Year of Grant:	104	104
NOKIA MOBILE PHONES LTD. Patents By Year of Grant:	104	104
CALIFORNIA INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	101	101
MACRONIX INTERNATIONAL CO., LTD. Patents By Year of Grant:	101	101
FURUKAWA ELECTRIC CO., LTD. Patents By Year of Grant:	100	100
INTERNATIONAL GAME TECHNOLOGY (IGT) Patents By Year of Grant:	100	100
WEATHERFORD/LAMB, INC. Patents By Year of Grant:	96	96
CADENCE DESIGN SYSTEMS, INC. Patents By Year of Grant:	95	95

ORGANIZATION	2005	TOTAL		
UNITED MICROELECTRONICS CORPORATIO Patents By Year of Grant:	N 95	95		
ORACLE INTERNATIONAL CORPORATION Patents By Year of Grant:	93	93		
PITNEY-BOWES, INC. Patents By Year of Grant:	93	93		
ASML NETHERLANDS B.V. Patents By Year of Grant:	92	92		
LEXMARK INTERNATIONAL, INC. Patents By Year of Grant:	91	91		
ASTRAZENECA AB Patents By Year of Grant:	90	90		
STANFORD UNIVERSITY Patents By Year of Grant:	90	90		
3COM CORPORATION Patents By Year of Grant:	89	89		
AISIN SEIKI KABUSHIKI KAISHA Patents By Year of Grant:	89	89		
SIEMENS VDO AUTOMOTIVE CORPORATION Patents By Year of Grant:	89	89		
UNIVERSITY OF TEXAS Patents By Year of Grant:	89	89		
CIBA SPECIALTY CHEMICALS CORPORATI Patents By Year of Grant:	ON 88	88		
MERCK PATENT GESELLSCHAFT MIT BESC				
Patents By Year of Grant:	88	88		
NSK LIMITED Patents By Year of Grant:	88	88		
CNH AMERICA LLC Patents By Year of Grant:	87	87		
UNITED STATES OF AMERICA, NATIONAL	AERONAUTICS	AND SPACE	ADMINISTRA	TION
Patents By Year of Grant:	87	87		
DAI NIPPON PRINTING CO. LTD Patents By Year of Grant:	86	86		
DEGUSSA AKTIENGESELLSCHAFT Patents By Year of Grant:	86	86		
ITT MANUFACTURING ENTERPRISES, INC Patents By Year of Grant:	. 86	86		
TYCO ELECTRONICS CORPORATION Patents By Year of Grant:	86	86		
ACUSHNET COMPANY Patents By Year of Grant:	85	85		
APPLE COMPUTER, INC. Patents By Year of Grant:	85	85		

ORGANIZATION	2005	<u> FOTAL</u>
INTERSIL AMERICAS INC. Patents By Year of Grant:	43	43
KODAK POLYCHROME GRAPHICS, LLC Patents By Year of Grant:	43	43
KYOCERA CORPORATION Patents By Year of Grant:	43	43
NATIONAL STARCH AND CHEMICAL INVESTMEN Patents By Year of Grant:	T HOLDING 43	CORPORATION 43
UNIVERSITY OF MINNESOTA, THE REGENTS O Patents By Year of Grant:	F 43	43
ADOBE SYSTEMS, INC. Patents By Year of Grant:	42	42
ATT WIRELESS SERVICES INC Patents By Year of Grant:	42	42
COGNIS DEUTSCHLAND GMBH & CO. KG Patents By Year of Grant:	42	42
DAICEL CHEMICAL INDUSTRIES LTD. Patents By Year of Grant:	42	42
DONNELLY CORPORATION Patents By Year of Grant:	42	42
HAMAMATSU PHOTONICS KABUSHIKI KAISHA Patents By Year of Grant:	42	42
IMATION CORP. Patents By Year of Grant:	42	42
NORTH CAROLINA STATE UNIVERSITY Patents By Year of Grant:	42	42
NVIDIA CORPORATION Patents By Year of Grant:	42	42
SEMITOOL, INC. Patents By Year of Grant:	42	42
ALCOA INC. Patents By Year of Grant:	41	41
BRUNSWICK CORPORATION Patents By Year of Grant:	41	41
HARVARD COLLEGE, PRESIDENT AND FELLOWS Patents By Year of Grant:	41	41
JAPAN SCIENCE AND TECHNOLOGY CORPORATI Patents By Year of Grant:	ON 41	41
KONAMI CO., LTD. Patents By Year of Grant:	41	41
KURARAY CO., LTD. Patents By Year of Grant:	41	41
NATIONAL INSTITUTE OF ADVANCED INDUSTR Patents By Year of Grant:	IAL SCIENC	CE AND TECHNOLOGY 41

ORGANIZATION	2005	TOTAL
NIPPON STEEL CORP. Patents By Year of Grant:	41	41
SAMSUNG KWANG-JU ELECTRONICS CO., LTD. Patents By Year of Grant:	41	41
SBC PROPERTIES, L.P. Patents By Year of Grant:	41	41
SDGI HOLDINGS, INC. Patents By Year of Grant:	41	41
SIEMENS MEDICAL SOLUTIONS USA, INC. Patents By Year of Grant:	41	41
TEIJIN LIMITED Patents By Year of Grant:	41	41
TETRA LAVAL HOLDINGS & FINANCE S.A. Patents By Year of Grant:	41	41
USHIO DENKI KABUSHIKI KAISYA Patents By Year of Grant:	41	41
ZF SACHS AG Patents By Year of Grant:	41	41
CORNELL RESEARCH FOUNDATION INC. Patents By Year of Grant:	40	40
GENERAL HOSPITAL CORPORATION Patents By Year of Grant:	40	40
NATIONAL RESEARCH COUNCIL OF CANADA Patents By Year of Grant:	40	40
PRAXAIR TECHNOLOGY, INC. Patents By Year of Grant:	40	40
QUANTA COMPUTER INC. Patents By Year of Grant:	40	40
S. C. JOHNSON + SON, INC. Patents By Year of Grant:	40	40
SCIENCE APPLICATIONS INTERNATIONAL COR Patents By Year of Grant:	PORATIO	N 40
SIEMENS AUTOMOTIVE CORPORATION Patents By Year of Grant:	40	40
UNITED STATES OF AMERICA, DEPARTMENT OF Patents By Year of Grant:	F ENERG	40
UNIVERSITY OF CHICAGO Patents By Year of Grant:	40	40
Other Organizations (25216) Patents By Year of Grant:	65647	65647